

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill Drum Concrete		Concrete Sump Sediment
		DC-001 9/14/01	DC-301 9/14/01 Duplicate	SD-001 9/14/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	<b>1,090</b>
Motor Oil Range Hydrocarbons	NE	--	--	<b>4,230</b>
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	<b>0.402 J</b>	<b>0.43 J</b>	<b>3.41</b>
1,1,2,2-Tetrachloroethane	900 ca	0.673 U	0.461 U	0.455 U
1,1,2-Trichloroethane	1,900 ca	0.673 U	0.461 U	0.455 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.673 U	0.461 U	0.455 U
1,1-Dichloroethane	2,100,100 nc	0.673 U	0.461 U	0.455 U
1,1-Dichloroethene	120 ca	0.673 U	0.461 U	0.455 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.673 U	0.461 U	0.455 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.673 U	0.461 U	0.455 U
1,2-Dibromoethane	48 ca	0.673 U	0.461 U	0.455 U
1,2-Dichlorobenzene	370,000 sat	0.673 U	0.461 U	0.455 U
1,2-Dichloroethane	760 ca	0.673 U	0.461 U	0.455 U
1,2-Dichloropropane	770 ca	0.673 U	0.461 U	0.455 U
1,3-Dichlorobenzene	52,000 nc	0.673 U	0.461 U	0.455 U
1,4-Dichlorobenzene	8,100 ca	0.673 U	0.461 U	0.455 U
2-Butanone	NE	<b>12.1 J</b>	<b>11.1 J</b>	<b>28.6 J</b>
2-Hexanone	NE	3.36 U	2.3 U	2.27 U
4-Methyl-2-pentanone	NE	3.36 U	2.3 U	2.27 U
Acetone	6,200,000 nc	<b>41.8 J</b>	<b>52 J</b>	<b>126 J</b>
Benzene	1,500 ca	0.673 U	0.461 U	<b>1.27</b>
Bromochloromethane	NE	0.673 U	0.461 U	0.455 U
Bromodichloromethane	2,400 ca	0.673 U	0.461 U	0.455 U
Bromoform	310,000 ca	0.673 U	0.461 U	0.455 U
Bromomethane	13,000 nc	0.673 U	0.461 U	0.455 U
Carbon Tetrachloride	530 ca	0.673 U	0.461 U	<b>43.8 D</b>
Carbon Disulfide	720,000 sat	0.883 U	<b>0.726 J</b>	<b>13.3 J</b>
Chlorobenzene	540,000 nc	0.673 U	0.461 U	0.455 U
Chloroethane	6,500 ca	0.673 U	0.461 U	0.455 U
Chloroform	520 ca	0.673 U	0.461 U	<b>26.1</b>
Chloromethane	2,700 ca	0.673 U	0.461 U	0.455 U
Cyclohexane	140,000 sat	0.673 UR	0.461 UR	0.455 UR
Dibromochloromethane	2,700 ca	0.673 U	0.461 U	0.455 U
Dichlorodifluoromethane	310,000 nc	0.673 U	0.461 U	0.455 U
Ethylbenzene	230,000 sat	0.673 U	<b>1.55</b>	<b>1.66</b>
Isopropylbenzene	NE	0.673 U	0.461 U	0.455 U
Methyl acetate	96,000,000 nc	6.73 UR	4.61 U	4.55 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.673 U	0.461 U	0.455 U
Methylcyclohexane	8,800,000 nc	0.336 U	0.23 U	<b>1.37</b>
Methylene chloride	21,000 ca	39.3 U	22.4 U	<b>12.8 J</b>
Styrene	1,700,000 sat	0.673 U	<b>0.461 J</b>	0.455 U
Tetrachloroethene	19,000 ca	0.673 U	0.461 U	0.455 U
Toluene	520,000 sat	0.952 U	0.645 U	2.87 U
Trichloroethene	6,100 ca	0.673 U	0.461 U	0.455 U
Trichlorofluoromethane	2,000,000 sat	0.673 U	0.461 U	0.455 U
Vinyl chloride	830 ca	0.673 U	0.461 U	0.455 U
cis-1,2-Dichloroethene	150,000 nc	0.673 U	0.461 U	0.455 U
cis-1,3-Dichloropropene	NE	0.673 U	0.461 U	0.455 U
m,p-Xylene	210,000 sat	1.06 U	<b>17.5</b>	<b>1.9</b>
o-Xylene	210,000 sat	0.412 U	<b>7.43</b>	0.455 U
trans-1,2-Dichloroethene	210,000 nc	0.673 U	0.461 U	0.455 U
trans-1,3-Dichloropropene	NE	0.673 U	0.461 U	0.455 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Concrete Sump Sediment	Background Soil	
		SD-301 9/14/01 Duplicate	SS-001-01 9/5/01	SS-001-12 9/11/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	<b>619</b>	--	--
Motor Oil Range Hydrocarbons	NE	<b>2,360</b>	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	<b>0.755</b>	0.562 U	0.28 U
1,1,2,2-Tetrachloroethane	900 ca	0.415 U	0.562 U	0.28 U
1,1,2-Trichloroethane	1,900 ca	0.415 U	0.562 U	0.28 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.415 U	0.562 U	0.28 U
1,1-Dichloroethane	2,100,100 nc	0.415 U	0.562 U	0.28 U
1,1-Dichloroethene	120 ca	0.415 U	0.562 U	0.28 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.415 U	0.562 U	0.28 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.415 U	0.562 U	0.28 U
1,2-Dibromoethane	48 ca	0.415 U	0.562 U	0.28 U
1,2-Dichlorobenzene	370,000 sat	0.415 U	0.562 U	0.28 U
1,2-Dichloroethane	760 ca	0.415 U	0.562 U	0.28 U
1,2-Dichloropropane	770 ca	0.415 U	0.562 U	0.28 U
1,3-Dichlorobenzene	52,000 nc	0.415 U	0.562 U	0.28 U
1,4-Dichlorobenzene	8,100 ca	0.415 U	0.562 U	0.28 U
2-Butanone	NE	<b>13.7 J</b>	<b>2.05 J</b>	1.4 U
2-Hexanone	NE	2.07 U	2.81 U	1.4 U
4-Methyl-2-pentanone	NE	<b>3.67</b>	2.81 U	1.4 U
Acetone	6,200,000 nc	<b>59.7 J</b>	34 U	<b>13.9 J</b>
Benzene	1,500 ca	<b>1.01</b>	0.562 U	0.28 U
Bromochloromethane	NE	0.415 U	0.562 U	0.28 U
Bromodichloromethane	2,400 ca	0.415 U	0.562 U	0.28 U
Bromoform	310,000 ca	0.415 U	0.562 U	0.28 U
Bromomethane	13,000 nc	0.415 U	0.562 U	0.28 U
Carbon Tetrachloride	530 ca	<b>9.33 D</b>	0.562 U	0.28 U
Carbon Disulfide	720,000 sat	<b>7.21 J</b>	0.562 U	0.28 UJ
Chlorobenzene	540,000 nc	0.415 U	0.562 U	0.28 U
Chloroethane	6,500 ca	0.415 U	0.562 U	0.28 U
Chloroform	520 ca	<b>11.3</b>	0.562 U	0.28 U
Chloromethane	2,700 ca	0.415 U	0.562 U	0.28 U
Cyclohexane	140,000 sat	0.415 UR	0.562 UJ	0.28 UR
Dibromochloromethane	2,700 ca	0.415 U	0.562 U	0.28 U
Dichlorodifluoromethane	310,000 nc	0.415 U	0.562 U	0.28 U
Ethylbenzene	230,000 sat	<b>1.1</b>	0.562 U	0.28 U
Isopropylbenzene	NE	0.415 U	0.562 U	0.28 U
Methyl acetate	96,000,000 nc	4.15 U	5.62 U	2.8 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.415 U	0.562 U	0.28 U
Methylcyclohexane	8,800,000 nc	<b>1.05</b>	0.281 U	0.14 U
Methylene chloride	21,000 ca	5.43 UJ	7.06 U	2.1 U
Styrene	1,700,000 sat	0.415 U	0.562 U	0.28 U
Tetrachloroethene	19,000 ca	0.415 U	0.562 U	0.28 U
Toluene	520,000 sat	2.55 U	0.945 U	0.336 U
Trichloroethene	6,100 ca	0.415 U	0.562 U	0.28 U
Trichlorofluoromethane	2,000,000 sat	0.415 U	0.562 U	0.28 U
Vinyl chloride	830 ca	0.415 U	0.562 U	0.28 U
cis-1,2-Dichloroethene	150,000 nc	0.415 U	0.562 U	0.28 U
cis-1,3-Dichloropropene	NE	0.415 U	0.562 U	0.28 U
m,p-Xylene	210,000 sat	<b>1.06</b>	1.12 U	0.56 U
o-Xylene	210,000 sat	<b>0.444</b>	0.562 U	0.28 U
trans-1,2-Dichloroethene	210,000 nc	0.415 U	0.562 U	0.28 U
trans-1,3-Dichloropropene	NE	0.415 U	0.562 U	0.28 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Background Soil		
		SS-002-01 9/7/01	SS-032-01 9/7/01	SS-032-14 9/7/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.276 U	0.311 U	0.269 U
1,1,2,2-Tetrachloroethane	900 ca	0.276 U	0.311 U	0.269 U
1,1,2-Trichloroethane	1,900 ca	0.276 U	0.311 U	0.269 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.276 U	0.311 U	0.269 U
1,1-Dichloroethane	2,100,100 nc	0.276 U	0.311 U	0.269 U
1,1-Dichloroethene	120 ca	0.276 U	0.311 U	0.269 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.276 U	0.311 U	0.269 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.276 U	0.311 U	0.269 U
1,2-Dibromoethane	48 ca	0.276 U	0.311 U	0.269 U
1,2-Dichlorobenzene	370,000 sat	0.276 U	0.311 U	0.269 U
1,2-Dichloroethane	760 ca	0.276 U	0.311 U	0.269 U
1,2-Dichloropropane	770 ca	0.276 U	0.311 U	0.269 U
1,3-Dichlorobenzene	52,000 nc	0.276 U	0.311 U	0.269 U
1,4-Dichlorobenzene	8,100 ca	0.276 U	0.311 U	0.269 U
2-Butanone	NE	<b>1.46</b>	<b>1.94</b>	<b>0.689 J</b>
2-Hexanone	NE	1.38 U	1.55 U	1.34 U
4-Methyl-2-pentanone	NE	1.38 U	1.55 U	1.34 U
Acetone	6,200,000 nc	48.6 U	50.7 U	19 U
Benzene	1,500 ca	0.276 U	<b>0.358</b>	0.269 U
Bromochloromethane	NE	0.276 U	0.311 U	0.269 U
Bromodichloromethane	2,400 ca	0.276 U	0.311 U	0.269 U
Bromoform	310,000 ca	0.276 U	0.311 U	0.269 U
Bromomethane	13,000 nc	0.276 U	0.311 U	0.269 U
Carbon Tetrachloride	530 ca	0.276 U	0.311 U	0.269 U
Carbon Disulfide	720,000 sat	0.276 U	0.311 U	0.269 U
Chlorobenzene	540,000 nc	0.276 U	0.311 U	0.269 U
Chloroethane	6,500 ca	0.276 U	0.311 U	0.269 U
Chloroform	520 ca	0.276 U	0.311 U	0.269 U
Chloromethane	2,700 ca	0.276 U	0.311 U	<b>0.2 J</b>
Cyclohexane	140,000 sat	0.276 UJ	0.311 U	0.269 UJ
Dibromochloromethane	2,700 ca	0.276 U	0.311 U	0.269 U
Dichlorodifluoromethane	310,000 nc	0.276 U	0.311 U	0.269 U
Ethylbenzene	230,000 sat	0.276 U	0.311 U	0.269 U
Isopropylbenzene	NE	0.276 U	0.311 U	0.269 U
Methyl acetate	96,000,000 nc	2.76 U	3.11 U	2.69 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.276 U	0.311 U	0.269 U
Methylcyclohexane	8,800,000 nc	0.138 U	0.155 U	0.134 U
Methylene chloride	21,000 ca	1.8 U	1.64 U	1.28 U
Styrene	1,700,000 sat	0.276 U	0.311 U	0.269 U
Tetrachloroethene	19,000 ca	0.276 U	0.311 U	0.269 U
Toluene	520,000 sat	0.546 U	0.542 U	0.269 U
Trichloroethene	6,100 ca	0.276 U	0.311 U	0.269 U
Trichlorofluoromethane	2,000,000 sat	0.276 U	0.311 U	0.269 U
Vinyl chloride	830 ca	0.276 U	0.311 U	0.269 U
cis-1,2-Dichloroethene	150,000 nc	0.276 U	0.311 U	0.269 U
cis-1,3-Dichloropropene	NE	0.276 U	0.311 U	0.269 U
m,p-Xylene	210,000 sat	0.553 U	0.621 U	0.538 U
o-Xylene	210,000 sat	0.276 U	0.311 U	0.269 U
trans-1,2-Dichloroethene	210,000 nc	0.276 U	0.311 U	0.269 U
trans-1,3-Dichloropropene	NE	0.276 U	0.311 U	0.269 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Drainage Ditch Soil		
		SS-003-01 9/6/01	SS-003-05 9/6/01	SS-004-03 9/6/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.346 U	0.522 U	0.414 U
1,1,2,2-Tetrachloroethane	900 ca	0.346 U	0.522 U	0.414 U
1,1,2-Trichloroethane	1,900 ca	0.346 U	0.522 U	0.414 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.346 U	0.522 U	0.414 U
1,1-Dichloroethane	2,100,100 nc	0.346 U	0.522 U	0.414 U
1,1-Dichloroethene	120 ca	0.346 U	0.522 U	0.414 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.346 U	0.522 U	0.414 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.346 U	0.522 U	0.414 U
1,2-Dibromoethane	48 ca	0.346 U	0.522 U	0.414 U
1,2-Dichlorobenzene	370,000 sat	0.346 U	0.522 U	0.414 U
1,2-Dichloroethane	760 ca	0.346 U	0.522 U	0.414 U
1,2-Dichloropropane	770 ca	0.346 U	0.522 U	0.414 U
1,3-Dichlorobenzene	52,000 nc	0.346 U	0.522 U	0.414 U
1,4-Dichlorobenzene	8,100 ca	0.346 U	0.522 U	0.414 U
2-Butanone	NE	<b>8.12</b>	<b>8.96</b>	2.07 U
2-Hexanone	NE	1.73 U	2.61 U	2.07 U
4-Methyl-2-pentanone	NE	1.73 U	2.61 U	2.07 U
Acetone	6,200,000 nc	47.5 U	53.5 U	6.89 U
Benzene	1,500 ca	<b>1.88</b>	0.522 U	0.414 U
Bromochloromethane	NE	0.346 U	0.522 U	0.414 U
Bromodichloromethane	2,400 ca	0.346 U	0.522 U	0.414 U
Bromoform	310,000 ca	0.346 U	0.522 U	0.414 U
Bromomethane	13,000 nc	0.346 U	0.522 U	0.414 U
Carbon Tetrachloride	530 ca	0.346 U	0.522 U	0.414 U
Carbon Disulfide	720,000 sat	<b>0.831</b>	0.522 U	<b>0.585 J</b>
Chlorobenzene	540,000 nc	0.346 U	0.522 U	0.414 U
Chloroethane	6,500 ca	0.346 U	0.522 U	0.414 U
Chloroform	520 ca	0.346 U	0.522 U	0.414 U
Chloromethane	2,700 ca	0.346 U	0.522 U	0.414 U
Cyclohexane	140,000 sat	0.346 UJ	0.522 UJ	0.414 UJ
Dibromochloromethane	2,700 ca	0.346 U	0.522 U	0.414 UJ
Dichlorodifluoromethane	310,000 nc	<b>0.287 J</b>	0.522 U	0.414 U
Ethylbenzene	230,000 sat	0.346 U	0.522 U	0.414 U
Isopropylbenzene	NE	0.346 U	0.522 U	0.414 U
Methyl acetate	96,000,000 nc	<b>10.3 J</b>	5.22 U	4.14 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.346 U	0.522 U	0.414 U
Methylcyclohexane	8,800,000 nc	0.173 U	0.261 U	0.207 U
Methylene chloride	21,000 ca	6.19 U	5.37 U	4.79 U
Styrene	1,700,000 sat	0.346 U	0.522 U	0.414 U
Tetrachloroethene	19,000 ca	0.346 U	0.522 U	0.414 U
Toluene	520,000 sat	1.86 U	0.522 U	1.28 U
Trichloroethene	6,100 ca	0.346 U	0.522 U	0.414 U
Trichlorofluoromethane	2,000,000 sat	<b>0.593</b>	0.522 U	0.414 U
Vinyl chloride	830 ca	0.346 U	0.522 U	0.414 U
cis-1,2-Dichloroethene	150,000 nc	0.346 U	0.522 U	0.414 U
cis-1,3-Dichloropropene	NE	0.346 U	0.522 U	0.414 U
m,p-Xylene	210,000 sat	0.691 U	1.04 U	0.827 U
o-Xylene	210,000 sat	0.346 U	0.522 U	0.414 U
trans-1,2-Dichloroethene	210,000 nc	0.346 U	0.522 U	0.414 U
trans-1,3-Dichloropropene	NE	0.346 U	0.522 U	0.414 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Drainage Ditch Soil		
		SS-004-09 9/6/01	SS-005-01 9/12/01	SS-006-01 9/6/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.413 U	0.948 U	0.385 U
1,1,2,2-Tetrachloroethane	900 ca	0.413 U	0.948 U	0.385 U
1,1,2-Trichloroethane	1,900 ca	0.413 U	0.948 U	0.385 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.413 U	0.948 U	0.385 U
1,1-Dichloroethane	2,100,100 nc	0.413 U	0.948 U	0.385 U
1,1-Dichloroethene	120 ca	0.413 U	0.948 U	0.385 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.413 U	0.948 U	0.385 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.413 U	0.948 U	0.385 U
1,2-Dibromoethane	48 ca	0.413 U	0.948 U	0.385 U
1,2-Dichlorobenzene	370,000 sat	0.413 U	0.948 U	0.385 U
1,2-Dichloroethane	760 ca	0.413 U	0.948 U	0.385 U
1,2-Dichloropropane	770 ca	0.413 U	0.948 U	0.385 U
1,3-Dichlorobenzene	52,000 nc	0.413 U	0.948 U	0.385 U
1,4-Dichlorobenzene	8,100 ca	0.413 U	0.948 U	0.385 U
2-Butanone	NE	<b>2.89 J</b>	<b>2.98 J</b>	<b>12.8 J</b>
2-Hexanone	NE	2.15 U	4.74 U	1.93 U
4-Methyl-2-pentanone	NE	2.15 U	4.74 U	1.93 U
Acetone	6,200,000 nc	28.5 U	<b>102 J</b>	58.1 U
Benzene	1,500 ca	0.413 U	<b>0.957</b>	<b>0.438</b>
Bromochloromethane	NE	0.413 U	0.948 U	0.385 U
Bromodichloromethane	2,400 ca	0.413 U	0.948 U	0.385 U
Bromoform	310,000 ca	0.413 U	0.948 U	0.385 U
Bromomethane	13,000 nc	0.413 U	0.948 U	<b>0.465</b>
Carbon Tetrachloride	530 ca	0.413 U	0.948 U	0.385 U
Carbon Disulfide	720,000 sat	<b>1.33 J</b>	<b>1.25 J</b>	0.385 UJ
Chlorobenzene	540,000 nc	0.413 U	0.948 U	0.385 U
Chloroethane	6,500 ca	0.413 U	0.948 U	0.385 U
Chloroform	520 ca	0.413 U	0.948 U	0.385 U
Chloromethane	2,700 ca	0.413 U	0.948 U	0.385 U
Cyclohexane	140,000 sat	0.413 UJ	0.948 UR	0.385 UJ
Dibromochloromethane	2,700 ca	0.413 UJ	0.948 U	0.385 UJ
Dichlorodifluoromethane	310,000 nc	0.413 U	0.948 U	0.385 U
Ethylbenzene	230,000 sat	0.413 U	0.948 U	0.385 U
Isopropylbenzene	NE	0.413 U	0.948 U	0.385 U
Methyl acetate	96,000,000 nc	4.3 U	<b>9.06 J</b>	<b>2.62 J</b>
Methyl tert butyl ether (MTBE)	37,000 ca	0.413 U	0.948 U	0.385 U
Methylcyclohexane	8,800,000 nc	0.215 U	0.474 U	0.193 U
Methylene chloride	21,000 ca	5.21 U	4.33 U	6.14 U
Styrene	1,700,000 sat	0.43 U	0.948 U	0.385 U
Tetrachloroethene	19,000 ca	0.413 U	0.948 U	0.385 U
Toluene	520,000 sat	1.46 U	1.19 U	1.07 U
Trichloroethene	6,100 ca	0.413 U	0.948 U	0.385 U
Trichlorofluoromethane	2,000,000 sat	0.413 U	<b>18.9</b>	0.385 U
Vinyl chloride	830 ca	0.413 U	0.948 U	0.385 U
cis-1,2-Dichloroethene	150,000 nc	0.413 U	0.948 U	0.385 U
cis-1,3-Dichloropropene	NE	0.413 U	0.948 U	0.385 U
m,p-Xylene	210,000 sat	0.861 U	<b>1.43 J</b>	0.771 U
o-Xylene	210,000 sat	0.413 U	<b>0.568 J</b>	0.385 U
trans-1,2-Dichloroethene	210,000 nc	0.413 U	0.948 U	0.385 U
trans-1,3-Dichloropropene	NE	0.413 U	0.948 U	0.385 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Drainage Ditch Soil		
		SS-006-05 9/6/01	SS-007-01 9/6/01	SS-007-05 9/6/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.469 U	0.316 U	0.437 U
1,1,2,2-Tetrachloroethane	900 ca	0.469 U	0.316 U	0.437 U
1,1,2-Trichloroethane	1,900 ca	0.469 U	0.316 U	0.437 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.469 U	0.316 U	0.437 U
1,1-Dichloroethane	2,100,100 nc	0.469 U	0.316 U	0.437 U
1,1-Dichloroethene	120 ca	0.469 U	0.316 U	0.437 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.469 U	0.316 U	0.437 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.469 U	0.316 U	0.437 U
1,2-Dibromoethane	48 ca	0.469 U	0.316 U	0.437 U
1,2-Dichlorobenzene	370,000 sat	0.469 U	0.316 U	0.437 U
1,2-Dichloroethane	760 ca	0.469 U	0.316 U	0.437 U
1,2-Dichloropropane	770 ca	0.469 U	0.316 U	0.437 U
1,3-Dichlorobenzene	52,000 nc	0.469 U	0.316 U	0.437 U
1,4-Dichlorobenzene	8,100 ca	0.469 U	0.316 U	0.437 U
2-Butanone	NE	2.34 U	1.58 U	<b>1.36 J</b>
2-Hexanone	NE	2.34 U	1.58 U	2.19 U
4-Methyl-2-pentanone	NE	2.34 U	1.58 U	2.19 U
Acetone	6,200,000 nc	10.4 U	17 U	9.91 U
Benzene	1,500 ca	0.469 U	0.316 U	0.437 U
Bromochloromethane	NE	0.469 U	0.316 U	0.437 U
Bromodichloromethane	2,400 ca	0.469 U	0.316 U	0.437 U
Bromoform	310,000 ca	0.469 U	0.316 U	0.437 U
Bromomethane	13,000 nc	0.469 U	0.316 U	0.437 U
Carbon Tetrachloride	530 ca	0.469 U	0.316 U	0.437 U
Carbon Disulfide	720,000 sat	0.469 UJ	0.316 UJ	0.437 UJ
Chlorobenzene	540,000 nc	0.469 U	0.316 U	0.437 U
Chloroethane	6,500 ca	0.469 U	0.316 U	0.437 U
Chloroform	520 ca	0.469 U	0.316 U	0.437 U
Chloromethane	2,700 ca	0.469 U	0.316 U	0.437 U
Cyclohexane	140,000 sat	0.469 UJ	0.316 UJ	0.437 UJ
Dibromochloromethane	2,700 ca	0.469 UJ	0.316 UJ	0.437 UJ
Dichlorodifluoromethane	310,000 nc	0.469 U	0.316 U	0.437 U
Ethylbenzene	230,000 sat	0.469 U	0.316 U	0.437 U
Isopropylbenzene	NE	0.469 U	0.316 U	0.437 U
Methyl acetate	96,000,000 nc	4.69 U	3.16 U	4.37 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.469 U	0.316 U	0.437 U
Methylcyclohexane	8,800,000 nc	0.234 U	0.158 U	0.218 U
Methylene chloride	21,000 ca	5.07 U	3.99 U	19.7 U
Styrene	1,700,000 sat	0.469 U	0.316 U	0.437 U
Tetrachloroethene	19,000 ca	0.469 U	0.316 U	0.437 U
Toluene	520,000 sat	0.664 U	0.421 U	0.814 U
Trichloroethene	6,100 ca	0.469 U	0.316 U	0.437 U
Trichlorofluoromethane	2,000,000 sat	0.469 U	0.316 U	0.437 U
Vinyl chloride	830 ca	0.469 U	0.316 U	0.437 U
cis-1,2-Dichloroethene	150,000 nc	0.469 U	0.316 U	0.437 U
cis-1,3-Dichloropropene	NE	0.469 U	0.316 U	0.437 U
m,p-Xylene	210,000 sat	0.938 U	0.632 U	0.874 U
o-Xylene	210,000 sat	0.469 U	0.316 U	0.437 U
trans-1,2-Dichloroethene	210,000 nc	0.469 U	0.316 U	0.437 U
trans-1,3-Dichloropropene	NE	0.469 U	0.316 U	0.437 U



**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Dry Well Soil		
		SS-009-11 9/5/01	SS-010-08 9/5/01	SS-310-08 9/5/01 Duplicate
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.477 U	0.273 U	0.358 U
1,1,2,2-Tetrachloroethane	900 ca	0.477 U	0.273 U	0.358 U
1,1,2-Trichloroethane	1,900 ca	0.477 U	0.273 U	0.358 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.477 U	0.273 U	0.358 U
1,1-Dichloroethane	2,100,100 nc	0.477 U	0.273 U	0.358 U
1,1-Dichloroethene	120 ca	0.477 U	0.273 U	0.358 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.477 UJ	0.273 UJ	0.358 UJ
1,2-Dibromo-3-chloropropane	4,000 ca	0.477 U	0.273 U	0.358 U
1,2-Dibromoethane	48 ca	0.477 U	0.273 U	0.358 U
1,2-Dichlorobenzene	370,000 sat	0.477 U	0.273 U	0.358 U
1,2-Dichloroethane	760 ca	0.477 U	0.273 U	0.358 U
1,2-Dichloropropane	770 ca	0.477 U	0.273 U	0.358 U
1,3-Dichlorobenzene	52,000 nc	0.477 U	0.273 U	0.358 U
1,4-Dichlorobenzene	8,100 ca	0.477 U	0.273 U	0.358 U
2-Butanone	NE	2.39 U	<b>0.714 J</b>	<b>1.17 J</b>
2-Hexanone	NE	2.39 U	1.37 U	1.79 U
4-Methyl-2-pentanone	NE	2.39 U	1.37 U	1.79 U
Acetone	6,200,000 nc	5.14 U	4.05 U	3.66 U
Benzene	1,500 ca	0.477 U	0.273 U	0.358 U
Bromochloromethane	NE	0.477 U	0.273 U	0.358 U
Bromodichloromethane	2,400 ca	0.477 U	0.273 U	0.358 U
Bromoform	310,000 ca	0.477 U	0.273 U	0.358 U
Bromomethane	13,000 nc	0.477 U	0.273 U	0.358 U
Carbon Tetrachloride	530 ca	0.477 U	0.273 U	0.358 U
Carbon Disulfide	720,000 sat	0.477 UJ	0.273 UJ	0.358 UJ
Chlorobenzene	540,000 nc	0.477 U	0.273 U	0.358 U
Chloroethane	6,500 ca	0.477 U	0.273 U	0.358 U
Chloroform	520 ca	0.477 U	0.273 U	0.358 U
Chloromethane	2,700 ca	0.477 U	0.273 U	0.358 U
Cyclohexane	140,000 sat	0.477 U	0.273 U	0.358 U
Dibromochloromethane	2,700 ca	0.477 U	0.273 U	0.358 U
Dichlorodifluoromethane	310,000 nc	0.477 U	0.273 U	0.358 U
Ethylbenzene	230,000 sat	0.477 U	0.273 U	0.358 U
Isopropylbenzene	NE	0.477 U	0.273 U	0.358 U
Methyl acetate	96,000,000 nc	4.77 UJ	2.73 UJ	3.58 UJ
Methyl tert butyl ether (MTBE)	37,000 ca	0.477 U	0.273 U	0.358 U
Methylcyclohexane	8,800,000 nc	0.239 U	0.137 U	0.179 U
Methylene chloride	21,000 ca	12.9 U	7.97 U	13 U
Styrene	1,700,000 sat	0.477 UJ	0.273 U	0.358 U
Tetrachloroethene	19,000 ca	0.477 U	0.273 U	0.358 U
Toluene	520,000 sat	0.239 U	0.273 U	0.53 U
Trichloroethene	6,100 ca	0.477 U	0.273 U	0.358 U
Trichlorofluoromethane	2,000,000 sat	0.477 U	0.273 U	0.358 U
Vinyl chloride	830 ca	0.477 U	0.273 U	0.358 U
cis-1,2-Dichloroethene	150,000 nc	0.477 U	0.273 U	0.358 U
cis-1,3-Dichloropropene	NE	0.477 U	0.273 U	0.358 U
m,p-Xylene	210,000 sat	0.955 U	0.547 U	0.715 U
o-Xylene	210,000 sat	0.477 U	0.273 U	0.358 U
trans-1,2-Dichloroethene	210,000 nc	0.477 U	0.273 U	0.358 U
trans-1,3-Dichloropropene	NE	0.477 U	0.273 U	0.358 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Dry Well Soil		
		SS-010-12 9/5/01	SS-011-08 9/5/01	SS-011-11 9/5/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.427 U	0.428 U	0.741 U
1,1,2,2-Tetrachloroethane	900 ca	0.427 U	0.428 U	0.741 U
1,1,2-Trichloroethane	1,900 ca	0.427 U	0.428 U	0.741 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.427 U	0.428 U	0.741 U
1,1-Dichloroethane	2,100,100 nc	0.427 U	0.428 U	0.741 U
1,1-Dichloroethene	120 ca	0.427 U	0.428 U	0.741 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.427 UJ	0.428 UJ	0.741 UJ
1,2-Dibromo-3-chloropropane	4,000 ca	0.427 U	0.428 U	0.741 U
1,2-Dibromoethane	48 ca	0.427 U	0.428 U	0.741 U
1,2-Dichlorobenzene	370,000 sat	0.427 U	0.428 U	0.741 U
1,2-Dichloroethane	760 ca	0.427 U	0.428 U	0.741 U
1,2-Dichloropropane	770 ca	0.427 U	0.428 U	0.741 U
1,3-Dichlorobenzene	52,000 nc	0.427 U	0.428 U	0.741 U
1,4-Dichlorobenzene	8,100 ca	0.427 U	0.428 U	0.741 U
2-Butanone	NE	2.13 U	2.14 U	3.71 U
2-Hexanone	NE	2.13 U	2.14 U	3.71 U
4-Methyl-2-pentanone	NE	2.13 U	2.14 U	3.71 U
Acetone	6,200,000 nc	6.66 U	11.5 U	17.8 U
Benzene	1,500 ca	0.427 U	0.428 U	0.741 U
Bromochloromethane	NE	0.427 U	0.428 U	0.741 U
Bromodichloromethane	2,400 ca	0.427 U	0.428 U	0.741 U
Bromoform	310,000 ca	0.427 U	0.428 U	0.741 U
Bromomethane	13,000 nc	0.427 U	0.428 U	0.741 U
Carbon Tetrachloride	530 ca	0.427 U	0.428 U	0.741 U
Carbon Disulfide	720,000 sat	0.427 UJ	0.428 UJ	0.741 UJ
Chlorobenzene	540,000 nc	0.427 U	0.428 U	0.741 U
Chloroethane	6,500 ca	0.427 U	0.428 U	0.741 U
Chloroform	520 ca	0.427 U	0.428 U	0.741 U
Chloromethane	2,700 ca	0.427 U	0.428 U	0.741 U
Cyclohexane	140,000 sat	0.427 U	0.428 U	0.741 U
Dibromochloromethane	2,700 ca	0.427 U	0.428 U	0.741 U
Dichlorodifluoromethane	310,000 nc	0.427 U	0.428 U	0.741 U
Ethylbenzene	230,000 sat	0.427 U	0.428 U	0.741 U
Isopropylbenzene	NE	0.427 U	0.428 U	0.741 U
Methyl acetate	96,000,000 nc	4.27 UJ	4.28 UJ	7.41 UJ
Methyl tert butyl ether (MTBE)	37,000 ca	0.427 U	0.428 U	0.741 U
Methylcyclohexane	8,800,000 nc	0.213 U	0.214 U	0.371 U
Methylene chloride	21,000 ca	12.5 U	13.7 U	28.5 U
Styrene	1,700,000 sat	0.427 U	0.428 U	0.741 U
Tetrachloroethene	19,000 ca	0.427 U	0.428 U	0.741 U
Toluene	520,000 sat	0.427 U	0.802 U	0.984 U
Trichloroethene	6,100 ca	0.427 U	0.428 U	0.741 U
Trichlorofluoromethane	2,000,000 sat	0.427 U	0.428 U	0.741 U
Vinyl chloride	830 ca	0.427 U	0.428 U	0.741 U
cis-1,2-Dichloroethene	150,000 nc	0.427 U	0.428 U	0.741 U
cis-1,3-Dichloropropene	NE	0.427 U	0.428 U	0.741 U
m,p-Xylene	210,000 sat	0.854 U	0.855 U	1.48 U
o-Xylene	210,000 sat	0.427 U	0.428 U	0.741 U
trans-1,2-Dichloroethene	210,000 nc	0.427 U	0.428 U	0.741 U
trans-1,3-Dichloropropene	NE	0.427 U	0.428 U	0.741 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Dry Well Soil		
		SS-012-08 9/5/01	SS-012-11 9/5/01	SS-312-11 9/5/01 Duplicate
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.334 U	0.499 U	0.496 U
1,1,2,2-Tetrachloroethane	900 ca	0.334 U	0.499 U	0.496 U
1,1,2-Trichloroethane	1,900 ca	0.334 U	0.499 U	0.496 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.334 U	0.499 U	0.496 U
1,1-Dichloroethane	2,100,100 nc	0.334 U	0.499 U	0.496 U
1,1-Dichloroethene	120 ca	0.334 U	0.499 U	0.496 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.334 UJ	0.499 UJ	0.496 UJ
1,2-Dibromo-3-chloropropane	4,000 ca	0.334 U	0.499 U	0.496 U
1,2-Dibromoethane	48 ca	0.334 U	0.499 U	0.496 U
1,2-Dichlorobenzene	370,000 sat	0.334 U	0.499 U	0.496 U
1,2-Dichloroethane	760 ca	0.334 U	0.499 U	0.496 U
1,2-Dichloropropane	770 ca	0.334 U	0.499 U	0.496 U
1,3-Dichlorobenzene	52,000 nc	0.334 U	0.499 U	0.496 U
1,4-Dichlorobenzene	8,100 ca	0.334 U	0.499 U	0.496 U
2-Butanone	NE	<b>1.48 J</b>	<b>1.52 J</b>	<b>1.78 J</b>
2-Hexanone	NE	1.67 U	2.49 U	2.48 U
4-Methyl-2-pentanone	NE	1.67 U	2.49 U	2.48 U
Acetone	6,200,000 nc	11.6 U	5.98 U	8.99 U
Benzene	1,500 ca	0.334 U	0.499 U	0.496 U
Bromochloromethane	NE	0.334 U	0.499 U	0.496 U
Bromodichloromethane	2,400 ca	0.334 U	0.499 U	0.496 U
Bromoform	310,000 ca	0.334 U	0.499 U	0.496 U
Bromomethane	13,000 nc	0.334 U	0.499 U	0.496 U
Carbon Tetrachloride	530 ca	0.334 U	0.499 U	0.496 U
Carbon Disulfide	720,000 sat	0.334 UJ	0.499 UJ	0.496 UJ
Chlorobenzene	540,000 nc	0.334 U	0.499 U	0.496 U
Chloroethane	6,500 ca	0.334 U	0.499 U	0.496 U
Chloroform	520 ca	0.334 U	0.499 U	0.496 U
Chloromethane	2,700 ca	0.334 U	0.499 U	0.496 U
Cyclohexane	140,000 sat	0.334 U	0.499 U	0.496 U
Dibromochloromethane	2,700 ca	0.334 U	0.499 U	0.496 U
Dichlorodifluoromethane	310,000 nc	<b>0.271 J</b>	0.499 U	0.496 U
Ethylbenzene	230,000 sat	0.334 U	0.499 U	0.496 U
Isopropylbenzene	NE	0.334 U	0.499 U	0.496 U
Methyl acetate	96,000,000 nc	3.34 UJ	4.99 UJ	4.96 UJ
Methyl tert butyl ether (MTBE)	37,000 ca	0.334 U	0.499 U	0.496 U
Methylcyclohexane	8,800,000 nc	0.167 U	0.249 U	0.248 U
Methylene chloride	21,000 ca	9.74 U	17 U	14.8 U
Styrene	1,700,000 sat	0.334 U	0.499 U	0.496 U
Tetrachloroethene	19,000 ca	0.334 U	0.499 U	0.496 U
Toluene	520,000 sat	1.16 U	0.885 U	0.739 U
Trichloroethene	6,100 ca	0.334 U	0.499 U	0.496 U
Trichlorofluoromethane	2,000,000 sat	<b>0.676</b>	0.499 U	0.496 U
Vinyl chloride	830 ca	0.334 U	0.499 U	0.496 U
cis-1,2-Dichloroethene	150,000 nc	0.334 U	0.499 U	0.496 U
cis-1,3-Dichloropropene	NE	0.334 U	0.499 U	0.496 U
m,p-Xylene	210,000 sat	0.668 U	0.997 U	0.992 U
o-Xylene	210,000 sat	0.334 U	0.499 U	0.496 U
trans-1,2-Dichloroethene	210,000 nc	0.334 U	0.499 U	0.496 U
trans-1,3-Dichloropropene	NE	0.334 U	0.499 U	0.496 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Dry Well Soil		
		SS-013-10 9/5/01	SS-013-12 9/5/01	SS-030-10 9/6/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.451 U	0.441 U	0.333 U
1,1,2,2-Tetrachloroethane	900 ca	0.451 U	0.441 U	0.333 U
1,1,2-Trichloroethane	1,900 ca	0.451 U	0.441 U	0.333 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.451 U	0.441 U	0.333 U
1,1-Dichloroethane	2,100,100 nc	0.451 U	0.441 U	0.333 U
1,1-Dichloroethene	120 ca	0.451 U	0.441 U	0.333 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.451 UJ	0.441 UJ	0.333 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.451 U	0.441 U	0.333 U
1,2-Dibromoethane	48 ca	0.451 U	0.441 U	0.333 U
1,2-Dichlorobenzene	370,000 sat	0.451 U	0.441 U	0.333 U
1,2-Dichloroethane	760 ca	0.451 U	0.441 U	0.333 U
1,2-Dichloropropane	770 ca	0.451 U	0.441 U	0.333 U
1,3-Dichlorobenzene	52,000 nc	0.451 U	0.441 U	0.333 U
1,4-Dichlorobenzene	8,100 ca	0.451 U	0.441 U	0.333 U
2-Butanone	NE	<b>1.33 J</b>	2.21 U	1.66 U
2-Hexanone	NE	2.25 U	2.21 U	1.66 U
4-Methyl-2-pentanone	NE	2.25 U	<b>1.36 J</b>	1.66 U
Acetone	6,200,000 nc	14.8 U	<b>172 J</b>	4.83 U
Benzene	1,500 ca	0.451 U	0.441 U	0.333 U
Bromochloromethane	NE	0.451 U	0.441 U	0.333 U
Bromodichloromethane	2,400 ca	0.451 U	0.441 U	0.333 U
Bromoform	310,000 ca	0.451 U	0.441 U	0.333 U
Bromomethane	13,000 nc	0.451 U	0.441 U	0.333 U
Carbon Tetrachloride	530 ca	0.451 U	0.441 U	0.333 U
Carbon Disulfide	720,000 sat	0.451 UJ	<b>0.842 J</b>	0.333 U
Chlorobenzene	540,000 nc	0.451 U	0.441 U	0.333 U
Chloroethane	6,500 ca	0.451 U	0.441 U	0.333 U
Chloroform	520 ca	0.451 U	0.441 U	0.333 U
Chloromethane	2,700 ca	0.451 U	0.441 U	0.333 U
Cyclohexane	140,000 sat	0.451 U	0.441 U	0.333 U
Dibromochloromethane	2,700 ca	0.451 U	0.441 U	0.333 U
Dichlorodifluoromethane	310,000 nc	0.451 U	0.441 U	0.333 U
Ethylbenzene	230,000 sat	0.451 U	0.443 U	0.333 U
Isopropylbenzene	NE	0.451 U	0.441 U	0.333 U
Methyl acetate	96,000,000 nc	4.51 UJ	<b>33.6 J</b>	3.33 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.451 U	0.441 U	0.333 U
Methylcyclohexane	8,800,000 nc	0.225 U	0.221 U	0.166 U
Methylene chloride	21,000 ca	10.9 U	11 U	2.45 U
Styrene	1,700,000 sat	0.451 U	0.441 U	0.333 U
Tetrachloroethene	19,000 ca	0.451 U	0.441 U	0.333 U
Toluene	520,000 sat	0.463 U	3.54 U	0.457 U
Trichloroethene	6,100 ca	0.451 U	0.441 U	0.333 U
Trichlorofluoromethane	2,000,000 sat	0.451 U	0.441 U	0.333 U
Vinyl chloride	830 ca	0.451 U	0.441 U	0.333 U
cis-1,2-Dichloroethene	150,000 nc	0.451 U	0.441 U	0.333 U
cis-1,3-Dichloropropene	NE	0.451 U	0.441 U	0.333 U
m,p-Xylene	210,000 sat	0.901 U	0.882 U	0.666 U
o-Xylene	210,000 sat	0.451 U	0.441 U	0.333 U
trans-1,2-Dichloroethene	210,000 nc	0.451 U	0.441 U	0.333 U
trans-1,3-Dichloropropene	NE	0.451 U	0.441 U	0.333 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Dry Well Soil	Cleanout Pipe Soil	
		SS-031-10 9/6/01	SS-014-04 9/5/01	SS-015-05 9/5/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.43 U	0.603 U	0.383 U
1,1,2,2-Tetrachloroethane	900 ca	0.43 U	0.603 U	0.383 U
1,1,2-Trichloroethane	1,900 ca	0.43 U	0.603 U	0.383 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.43 U	0.603 U	0.383 U
1,1-Dichloroethane	2,100,100 nc	0.43 U	0.603 U	0.383 U
1,1-Dichloroethene	120 ca	0.43 U	0.603 U	0.383 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.43 U	0.603 UJ	0.383 UJ
1,2-Dibromo-3-chloropropane	4,000 ca	0.43 U	0.603 U	0.383 U
1,2-Dibromoethane	48 ca	0.43 U	0.603 U	0.383 U
1,2-Dichlorobenzene	370,000 sat	0.43 U	0.603 U	0.383 U
1,2-Dichloroethane	760 ca	0.43 U	0.603 U	0.383 U
1,2-Dichloropropane	770 ca	0.43 U	0.603 U	0.383 U
1,3-Dichlorobenzene	52,000 nc	0.43 U	0.603 U	0.383 U
1,4-Dichlorobenzene	8,100 ca	0.43 U	0.603 U	0.383 U
2-Butanone	NE	2.15 U	<b>3.21 J</b>	1.92 U
2-Hexanone	NE	2.15 U	3.01 U	1.92 U
4-Methyl-2-pentanone	NE	2.15 U	3.01 U	1.92 U
Acetone	6,200,000 nc	2.6 U	35.6 U	54.3 U
Benzene	1,500 ca	0.43 U	<b>0.406 J</b>	0.383 U
Bromochloromethane	NE	0.43 U	0.603 U	0.383 U
Bromodichloromethane	2,400 ca	0.43 U	0.603 U	0.383 U
Bromoform	310,000 ca	0.43 U	0.603 U	0.383 U
Bromomethane	13,000 nc	0.43 U	0.603 U	0.383 U
Carbon Tetrachloride	530 ca	0.43 U	0.603 U	0.383 U
Carbon Disulfide	720,000 sat	0.43 U	0.603 UJ	0.383 UJ
Chlorobenzene	540,000 nc	0.43 U	0.603 U	0.383 U
Chloroethane	6,500 ca	0.43 U	0.603 U	0.383 U
Chloroform	520 ca	0.43 U	0.603 U	0.383 U
Chloromethane	2,700 ca	0.43 U	0.603 U	0.383 U
Cyclohexane	140,000 sat	0.43 UJ	0.603 U	0.383 U
Dibromochloromethane	2,700 ca	0.43 U	0.603 U	0.383 U
Dichlorodifluoromethane	310,000 nc	0.43 U	<b>0.342 J</b>	0.383 U
Ethylbenzene	230,000 sat	0.43 U	0.603 U	0.383 U
Isopropylbenzene	NE	0.43 U	0.603 U	0.383 U
Methyl acetate	96,000,000 nc	4.3 U	<b>3.21 J</b>	3.83 UJ
Methyl tert butyl ether (MTBE)	37,000 ca	0.43 U	0.603 U	0.383 U
Methylcyclohexane	8,800,000 nc	0.215 U	0.301 U	0.192 U
Methylene chloride	21,000 ca	2.1 U	13.5 U	6.13 U
Styrene	1,700,000 sat	0.43 U	0.603 U	0.383 U
Tetrachloroethene	19,000 ca	0.43 U	0.603 U	0.383 U
Toluene	520,000 sat	0.43 U	0.71 U	0.383 U
Trichloroethene	6,100 ca	0.43 U	0.603 U	0.383 U
Trichlorofluoromethane	2,000,000 sat	0.43 U	0.603 U	0.383 U
Vinyl chloride	830 ca	0.43 U	0.603 U	0.383 U
cis-1,2-Dichloroethene	150,000 nc	0.43 U	0.603 U	0.383 U
cis-1,3-Dichloropropene	NE	0.43 U	0.603 U	0.383 U
m,p-Xylene	210,000 sat	0.86 U	1.21 U	0.767 U
o-Xylene	210,000 sat	0.43 U	0.603 U	0.383 U
trans-1,2-Dichloroethene	210,000 nc	0.43 U	0.603 U	0.383 U
trans-1,3-Dichloropropene	NE	0.43 U	0.603 U	0.383 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Cleanout Pipe Soil	Fuel Oil Tank Vault Soil	
		SS-016-05 9/5/01	SS-021-04 9/7/01	SS-321-04 9/7/01 Duplicate
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	<b>92.5</b>	<b>92</b>
Motor Oil Range Hydrocarbons	NE	--	<b>629</b>	<b>525</b>
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.398 U	0.289 U	0.281 U
1,1,2,2-Tetrachloroethane	900 ca	0.398 U	0.289 U	0.281 U
1,1,2-Trichloroethane	1,900 ca	0.398 U	0.289 U	0.281 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.398 U	0.289 U	0.281 U
1,1-Dichloroethane	2,100,100 nc	0.398 U	0.289 U	0.281 U
1,1-Dichloroethene	120 ca	0.398 U	0.289 U	0.281 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.398 UJ	0.289 U	0.281 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.398 U	0.289 U	0.281 U
1,2-Dibromoethane	48 ca	0.398 U	0.289 U	0.281 U
1,2-Dichlorobenzene	370,000 sat	0.398 U	0.289 U	0.281 U
1,2-Dichloroethane	760 ca	0.398 U	0.289 U	0.281 U
1,2-Dichloropropane	770 ca	0.398 U	0.289 U	0.281 U
1,3-Dichlorobenzene	52,000 nc	0.398 U	0.289 U	0.281 U
1,4-Dichlorobenzene	8,100 ca	0.398 U	0.289 U	0.281 U
2-Butanone	NE	<b>1.31 J</b>	<b>1.11 J</b>	<b>1.27 J</b>
2-Hexanone	NE	1.99 U	1.44 U	1.41 U
4-Methyl-2-pentanone	NE	1.99 U	1.44 U	1.41 U
Acetone	6,200,000 nc	32.1 U	20.5 U	18.1 U
Benzene	1,500 ca	0.398 U	0.289 U	0.281 U
Bromochloromethane	NE	0.398 U	0.289 U	0.281 U
Bromodichloromethane	2,400 ca	0.398 U	0.289 U	0.281 U
Bromoform	310,000 ca	0.398 U	0.289 U	0.281 U
Bromomethane	13,000 nc	0.398 U	0.289 U	0.281 U
Carbon Tetrachloride	530 ca	0.398 U	0.289 U	0.281 U
Carbon Disulfide	720,000 sat	0.398 UJ	0.289 U	<b>0.154 J</b>
Chlorobenzene	540,000 nc	0.398 U	0.289 U	0.281 U
Chloroethane	6,500 ca	0.398 U	0.289 U	0.281 U
Chloroform	520 ca	0.398 U	0.289 U	0.281 U
Chloromethane	2,700 ca	0.398 U	<b>0.199 J</b>	0.281 U
Cyclohexane	140,000 sat	0.398 U	0.289 UJ	0.281 UJ
Dibromochloromethane	2,700 ca	0.398 U	0.289 U	0.281 U
Dichlorodifluoromethane	310,000 nc	0.398 U	0.289 U	0.281 U
Ethylbenzene	230,000 sat	0.398 U	0.289 U	0.281 U
Isopropylbenzene	NE	0.398 U	0.289 U	0.281 U
Methyl acetate	96,000,000 nc	3.98 UJ	2.89 U	2.81 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.398 U	0.289 U	0.281 U
Methylcyclohexane	8,800,000 nc	0.199 U	0.144 U	0.141 U
Methylene chloride	21,000 ca	9.53 U	1.78 U	2.23 U
Styrene	1,700,000 sat	0.398 U	0.289 U	0.281 U
Tetrachloroethene	19,000 ca	0.398 U	0.289 U	0.281 U
Toluene	520,000 sat	0.398 U	0.289 U	0.401 U
Trichloroethene	6,100 ca	0.398 U	0.289 U	0.281 U
Trichlorofluoromethane	2,000,000 sat	0.398 U	0.289 U	0.281 U
Vinyl chloride	830 ca	0.398 U	0.289 U	0.281 U
cis-1,2-Dichloroethene	150,000 nc	0.398 U	0.289 U	0.281 U
cis-1,3-Dichloropropene	NE	0.398 U	0.289 U	0.281 U
m,p-Xylene	210,000 sat	0.797 U	0.578 U	0.563 U
o-Xylene	210,000 sat	0.398 U	0.289 U	0.281 U
trans-1,2-Dichloroethene	210,000 nc	0.398 U	0.289 U	0.281 U
trans-1,3-Dichloropropene	NE	0.398 U	0.289 U	0.281 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill North Toe Soil		
		SS-022-01 9/14/01	SS-023-01 9/14/01	SS-323-01 9/14/01 Duplicate
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	0.515 U	<b>0.489</b>	<b>0.655 J</b>
1,1,2,2-Tetrachloroethane	900 ca	0.515 U	0.408 U	0.787 U
1,1,2-Trichloroethane	1,900 ca	0.515 U	0.408 U	0.787 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.515 U	0.408 U	0.787 U
1,1-Dichloroethane	2,100,100 nc	0.515 U	0.408 U	0.787 U
1,1-Dichloroethene	120 ca	0.515 U	0.408 U	0.787 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.515 U	0.408 U	0.787 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.515 U	0.408 U	0.787 U
1,2-Dibromoethane	48 ca	0.515 U	0.408 U	0.787 U
1,2-Dichlorobenzene	370,000 sat	0.515 U	0.408 U	0.787 U
1,2-Dichloroethane	760 ca	0.515 U	0.408 U	0.787 U
1,2-Dichloropropane	770 ca	0.515 U	0.408 U	0.787 U
1,3-Dichlorobenzene	52,000 nc	0.515 U	0.408 U	0.787 U
1,4-Dichlorobenzene	8,100 ca	0.515 U	0.408 U	0.787 U
2-Butanone	NE	<b>27 J</b>	<b>14.4 J</b>	<b>19.4 J</b>
2-Hexanone	NE	<b>1.59 J</b>	<b>1.12 J</b>	3.93 U
4-Methyl-2-pentanone	NE	2.58 U	2.04 U	3.93 U
Acetone	6,200,000 nc	<b>232 J</b>	<b>121 J</b>	<b>168 J</b>
Benzene	1,500 ca	<b>2.07</b>	<b>1.86</b>	<b>3.17</b>
Bromochloromethane	NE	0.515 U	0.408 U	0.787 U
Bromodichloromethane	2,400 ca	0.515 U	0.408 U	0.787 U
Bromoform	310,000 ca	0.515 U	0.408 U	0.787 U
Bromomethane	13,000 nc	0.515 U	0.408 U	0.787 U
Carbon Tetrachloride	530 ca	0.515 U	0.408 U	0.787 U
Carbon Disulfide	720,000 sat	<b>0.59 J</b>	<b>0.717 J</b>	<b>0.778 J</b>
Chlorobenzene	540,000 nc	0.515 U	0.408 U	0.787 U
Chloroethane	6,500 ca	0.515 U	0.408 U	0.787 U
Chloroform	520 ca	0.515 U	0.408 U	0.787 U
Chloromethane	2,700 ca	0.515 U	0.408 U	0.787 U
Cyclohexane	140,000 sat	0.515 UR	0.408 UR	0.787 UR
Dibromochloromethane	2,700 ca	0.515 U	0.408 U	0.787 U
Dichlorodifluoromethane	310,000 nc	0.515 U	0.408 U	0.787 U
Ethylbenzene	230,000 sat	0.515 U	0.408 U	0.787 U
Isopropylbenzene	NE	0.515 U	0.408 U	0.787 U
Methyl acetate	96,000,000 nc	5.15 U	4.08 U	7.87 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.515 U	0.408 U	0.787 U
Methylcyclohexane	8,800,000 nc	0.258 U	0.204 U	0.393 U
Methylene chloride	21,000 ca	5 U	2.97 U	7.62 U
Styrene	1,700,000 sat	0.515 U	0.408 U	0.787 U
Tetrachloroethene	19,000 ca	0.515 U	0.408 U	0.787 U
Toluene	520,000 sat	1.35 U	1.41 U	2.43 U
Trichloroethene	6,100 ca	0.515 U	<b>0.215 J</b>	0.787 U
Trichlorofluoromethane	2,000,000 sat	0.515 U	0.408 U	0.787 U
Vinyl chloride	830 ca	0.515 U	0.408 U	0.787 U
cis-1,2-Dichloroethene	150,000 nc	0.515 U	0.408 U	0.787 U
cis-1,3-Dichloropropene	NE	0.515 U	0.408 U	0.787 U
m,p-Xylene	210,000 sat	1.03 U	0.816 U	1.57 U
o-Xylene	210,000 sat	0.515 U	0.408 U	0.787 U
trans-1,2-Dichloroethene	210,000 nc	0.515 U	0.408 U	0.787 U
trans-1,3-Dichloropropene	NE	0.515 U	0.408 U	0.787 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill North Toe Soil		Landfill Trench TR-1 Soil
		SS-024-01 9/14/01	SS-025-01 9/14/01	SS-026-04 9/10/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	--
Motor Oil Range Hydrocarbons	NE	--	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	<b>0.628 J</b>	0.841 U	<b>6.36</b>
1,1,2,2-Tetrachloroethane	900 ca	0.676 U	0.841 U	0.246 U
1,1,2-Trichloroethane	1,900 ca	0.676 U	0.841 U	0.246 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.676 U	0.841 U	0.246 U
1,1-Dichloroethane	2,100,100 nc	0.676 U	0.841 U	0.246 U
1,1-Dichloroethene	120 ca	0.676 U	0.841 U	0.246 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.676 U	0.841 U	0.246 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.676 U	0.841 U	0.246 U
1,2-Dibromoethane	48 ca	0.676 U	0.841 U	0.246 U
1,2-Dichlorobenzene	370,000 sat	0.676 U	0.841 U	0.246 U
1,2-Dichloroethane	760 ca	0.676 U	0.841 U	0.246 U
1,2-Dichloropropane	770 ca	0.676 U	0.841 U	0.246 U
1,3-Dichlorobenzene	52,000 nc	0.676 U	0.841 U	0.246 U
1,4-Dichlorobenzene	8,100 ca	0.676 U	0.841 U	0.246 U
2-Butanone	NE	<b>21.8 J</b>	<b>7.19 J</b>	<b>1.46</b>
2-Hexanone	NE	3.38 U	4.2 U	1.23 U
4-Methyl-2-pentanone	NE	3.38 U	4.2 U	1.23 U
Acetone	6,200,000 nc	<b>191 J</b>	<b>72.3 J</b>	7.04 U
Benzene	1,500 ca	<b>3.71</b>	<b>15.7</b>	0.246 U
Bromochloromethane	NE	0.676 U	0.841 U	0.246 U
Bromodichloromethane	2,400 ca	0.676 U	0.841 U	0.246 U
Bromoform	310,000 ca	0.676 U	0.841 U	0.246 U
Bromomethane	13,000 nc	0.676 U	0.841 U	0.246 U
Carbon Tetrachloride	530 ca	0.676 U	0.841 U	0.246 U
Carbon Disulfide	720,000 sat	<b>0.742 J</b>	<b>38.8 J</b>	<b>0.159 J</b>
Chlorobenzene	540,000 nc	0.676 U	0.841 U	0.246 U
Chloroethane	6,500 ca	0.676 U	0.841 U	0.246 U
Chloroform	520 ca	0.676 U	0.841 U	0.246 U
Chloromethane	2,700 ca	0.676 U	0.841 U	0.246 U
Cyclohexane	140,000 sat	0.676 UR	0.841 UR	0.246 UR
Dibromochloromethane	2,700 ca	0.676 U	0.841 U	0.246 U
Dichlorodifluoromethane	310,000 nc	0.676 U	0.841 U	0.246 U
Ethylbenzene	230,000 sat	0.676 U	0.841 U	0.246 U
Isopropylbenzene	NE	0.676 U	0.841 U	0.246 U
Methyl acetate	96,000,000 nc	6.76 U	8.41 U	2.46 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.676 U	0.841 U	0.246 U
Methylcyclohexane	8,800,000 nc	0.338 U	0.42 U	<b>0.132 J</b>
Methylene chloride	21,000 ca	12 U	8.27 U	0.487 U
Styrene	1,700,000 sat	0.676 U	0.841 U	0.246 U
Tetrachloroethene	19,000 ca	0.676 U	0.841 U	0.246 U
Toluene	520,000 sat	2.26 U	1.12 U	0.246 U
Trichloroethene	6,100 ca	0.676 U	0.841 U	0.246 U
Trichlorofluoromethane	2,000,000 sat	0.676 U	0.841 U	<b>1.83</b>
Vinyl chloride	830 ca	0.676 U	0.841 U	0.246 U
cis-1,2-Dichloroethene	150,000 nc	0.676 U	0.841 U	0.246 U
cis-1,3-Dichloropropene	NE	0.676 U	0.841 U	0.246 U
m,p-Xylene	210,000 sat	<b>1.2 J</b>	1.68 U	0.491 U
o-Xylene	210,000 sat	<b>0.525 J</b>	0.841 U	0.246 U
trans-1,2-Dichloroethene	210,000 nc	0.676 U	0.841 U	0.246 U
trans-1,3-Dichloropropene	NE	0.676 U	0.841 U	0.246 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill Trench TR-1 Soil		Landfill Trench TR-2 Soil
		SS-026-05 9/10/01	SS-026-07 9/10/01	SS-027-04 9/11/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	<b>22.8 J</b>	--	--
Motor Oil Range Hydrocarbons	NE	<b>137</b>	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	<b>6.79</b>	<b>1.23</b>	0.321 U
1,1,2,2-Tetrachloroethane	900 ca	0.304 U	0.412 U	0.321 U
1,1,2-Trichloroethane	1,900 ca	0.304 U	0.412 U	0.321 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.304 U	0.412 U	0.321 U
1,1-Dichloroethane	2,100,100 nc	0.304 U	0.412 U	0.321 U
1,1-Dichloroethene	120 ca	0.304 U	0.412 U	0.321 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.304 U	0.412 U	0.321 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.304 U	0.412 U	0.321 U
1,2-Dibromoethane	48 ca	0.304 U	0.412 U	0.321 U
1,2-Dichlorobenzene	370,000 sat	0.304 U	0.412 U	0.321 U
1,2-Dichloroethane	760 ca	0.304 U	0.412 U	0.321 U
1,2-Dichloropropane	770 ca	0.304 U	0.412 U	0.321 U
1,3-Dichlorobenzene	52,000 nc	0.304 U	0.412 U	0.321 U
1,4-Dichlorobenzene	8,100 ca	0.304 U	0.412 U	0.321 U
2-Butanone	NE	<b>9.69</b>	2.06 U	<b>12.6 J</b>
2-Hexanone	NE	<b>1.82</b>	2.06 U	1.6 U
4-Methyl-2-pentanone	NE	1.52 U	2.06 U	1.6 U
Acetone	6,200,000 nc	<b>41.4 J</b>	<b>13.3 J</b>	<b>136 J</b>
Benzene	1,500 ca	<b>0.395</b>	0.412 U	<b>0.385</b>
Bromochloromethane	NE	0.304 U	0.412 U	0.321 U
Bromodichloromethane	2,400 ca	0.304 U	0.412 U	0.321 U
Bromoform	310,000 ca	0.304 U	0.412 U	0.321 U
Bromomethane	13,000 nc	0.304 U	0.412 U	0.321 U
Carbon Tetrachloride	530 ca	0.304 U	0.412 U	0.321 U
Carbon Disulfide	720,000 sat	<b>3.65 J</b>	0.412 UJ	<b>1.2 J</b>
Chlorobenzene	540,000 nc	0.304 U	0.412 U	0.321 U
Chloroethane	6,500 ca	0.304 U	0.412 U	0.321 U
Chloroform	520 ca	0.304 U	0.412 U	0.321 U
Chloromethane	2,700 ca	0.304 U	0.412 U	0.321 U
Cyclohexane	140,000 sat	0.304 UR	0.412 UR	0.321 UR
Dibromochloromethane	2,700 ca	0.304 U	0.412 U	0.321 U
Dichlorodifluoromethane	310,000 nc	0.304 U	0.412 U	0.321 U
Ethylbenzene	230,000 sat	0.304 U	0.412 U	0.321 U
Isopropylbenzene	NE	0.304 U	0.412 U	0.321 U
Methyl acetate	96,000,000 nc	3.04 U	4.12 U	<b>5.84</b>
Methyl tert butyl ether (MTBE)	37,000 ca	0.304 U	0.412 U	0.321 U
Methylcyclohexane	8,800,000 nc	<b>0.209 J</b>	0.206 U	0.16 U
Methylene chloride	21,000 ca	2.08 U	1.8 U	0.943 U
Styrene	1,700,000 sat	0.304 U	0.412 U	0.321 U
Tetrachloroethene	19,000 ca	0.304 U	0.412 U	0.321 U
Toluene	520,000 sat	0.429 U	0.412 UJ	0.41 U
Trichloroethene	6,100 ca	0.304 UJ	0.412 U	0.321 U
Trichlorofluoromethane	2,000,000 sat	0.304 U	0.412 U	<b>8.49</b>
Vinyl chloride	830 ca	0.304 U	0.412 U	0.321 U
cis-1,2-Dichloroethene	150,000 nc	0.304 U	0.412 U	0.321 U
cis-1,3-Dichloropropene	NE	0.304 U	0.412 U	0.321 U
m,p-Xylene	210,000 sat	0.608 U	0.824 U	0.641 U
o-Xylene	210,000 sat	0.304 U	0.412 U	0.321 U
trans-1,2-Dichloroethene	210,000 nc	0.304 U	0.412 U	0.321 U
trans-1,3-Dichloropropene	NE	0.304 U	0.412 U	0.321 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill Trench TR-2 Soil		Landfill Trench TR-3 Soil
		SS-327-04 9/11/01 Duplicate	SS-027-13 9/11/01	SS-028-05 9/11/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	--	--	<b>25.8</b>
Motor Oil Range Hydrocarbons	NE	--	--	<b>117</b>
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	<b>0.56</b>	<b>0.415</b>	0.436 U
1,1,2,2-Tetrachloroethane	900 ca	0.261 U	0.361 U	0.436 U
1,1,2-Trichloroethane	1,900 ca	0.261 U	0.361 U	0.436 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.261 U	0.361 U	0.436 U
1,1-Dichloroethane	2,100,100 nc	0.261 U	0.361 U	0.436 U
1,1-Dichloroethene	120 ca	0.261 U	0.361 U	0.436 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.261 U	0.361 U	0.436 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.261 U	0.361 U	0.436 U
1,2-Dibromoethane	48 ca	0.261 U	0.361 U	0.436 U
1,2-Dichlorobenzene	370,000 sat	0.261 U	0.361 U	0.436 U
1,2-Dichloroethane	760 ca	0.261 U	0.361 U	0.436 U
1,2-Dichloropropane	770 ca	0.261 U	0.361 U	0.436 U
1,3-Dichlorobenzene	52,000 nc	0.261 U	0.361 U	0.436 U
1,4-Dichlorobenzene	8,100 ca	1.01 U	0.361 U	0.436 U
2-Butanone	NE	<b>14 J</b>	<b>1.06 J</b>	<b>13 J</b>
2-Hexanone	NE	1.31 U	1.8 U	<b>2.57</b>
4-Methyl-2-pentanone	NE	1.31 U	1.8 U	2.18 U
Acetone	6,200,000 nc	<b>124 J</b>	<b>25.9 J</b>	<b>107 J</b>
Benzene	1,500 ca	<b>0.729</b>	<b>0.451</b>	<b>0.772</b>
Bromochloromethane	NE	0.261 U	0.361 U	0.436 U
Bromodichloromethane	2,400 ca	0.261 U	0.361 U	0.436 U
Bromoform	310,000 ca	0.261 U	0.361 U	0.436 U
Bromomethane	13,000 nc	0.261 U	0.361 U	0.436 U
Carbon Tetrachloride	530 ca	0.261 U	<b>10.4</b>	0.436 U
Carbon Disulfide	720,000 sat	<b>3.09 J</b>	<b>0.216 J</b>	<b>4.84 J</b>
Chlorobenzene	540,000 nc	0.261 U	0.361 U	0.436 U
Chloroethane	6,500 ca	0.261 U	0.361 U	0.436 U
Chloroform	520 ca	0.261 U	0.361 U	0.436 U
Chloromethane	2,700 ca	0.261 U	0.361 U	0.436 U
Cyclohexane	140,000 sat	0.261 UR	0.361 UR	0.436 UR
Dibromochloromethane	2,700 ca	0.261 U	0.361 U	0.436 U
Dichlorodifluoromethane	310,000 nc	0.261 U	0.361 U	0.436 U
Ethylbenzene	230,000 sat	0.261 U	0.361 U	<b>1.02</b>
Isopropylbenzene	NE	0.261 U	0.361 U	0.436 U
Methyl acetate	96,000,000 nc	2.61 U	3.61 U	4.36 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.261 U	0.361 U	0.436 U
Methylcyclohexane	8,800,000 nc	0.131 U	0.18 U	<b>0.781</b>
Methylene chloride	21,000 ca	2.21 U	3.37 U	2 U
Styrene	1,700,000 sat	0.261 U	0.361 U	0.436 U
Tetrachloroethene	19,000 ca	0.261 U	0.361 U	0.436 U
Toluene	520,000 sat	0.84 U	0.361 UJ	<b>3.04</b>
Trichloroethene	6,100 ca	<b>0.907</b>	<b>2.12</b>	0.436 U
Trichlorofluoromethane	2,000,000 sat	0.261 U	0.361 U	0.436 U
Vinyl chloride	830 ca	0.261 U	0.361 U	0.436 U
cis-1,2-Dichloroethene	150,000 nc	0.261 U	0.361 U	0.436 U
cis-1,3-Dichloropropene	NE	0.261 U	0.361 U	0.436 U
m,p-Xylene	210,000 sat	0.523 U	0.721 U	<b>4.45</b>
o-Xylene	210,000 sat	0.261 U	0.361 U	<b>1.81</b>
trans-1,2-Dichloroethene	210,000 nc	0.261 U	0.361 U	0.436 U
trans-1,3-Dichloropropene	NE	0.261 U	0.361 U	0.436 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill Trench TR-3 Soil	Landfill Trench TR-4 Soil	
		SS-028-11 9/11/01	SS-029-05 9/12/01	SS-029-10 9/12/01
<b>TPH (mg/kg)</b>				
Diesel Range Hydrocarbons	NE	<b>165</b>	--	--
Motor Oil Range Hydrocarbons	NE	<b>760</b>	--	--
<b>VOCs (mg/kg)</b>				
1,1,1-Trichloroethane	1,400,000 sat	<b>0.437 J</b>	0.48 U	0.435 U
1,1,2,2-Tetrachloroethane	900 ca	0.539 U	0.48 U	0.435 U
1,1,2-Trichloroethane	1,900 ca	0.539 U	0.48 U	0.435 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.539 U	0.48 U	0.435 U
1,1-Dichloroethane	2,100,100 nc	0.539 U	0.48 U	0.435 U
1,1-Dichloroethene	120 ca	0.539 U	0.48 U	0.435 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.539 U	0.48 U	0.435 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.539 U	0.48 U	0.435 U
1,2-Dibromoethane	48 ca	0.539 U	0.48 U	0.435 U
1,2-Dichlorobenzene	370,000 sat	0.539 U	0.48 U	0.435 U
1,2-Dichloroethane	760 ca	0.539 U	0.48 U	0.435 U
1,2-Dichloropropane	770 ca	0.539 U	0.48 U	0.435 U
1,3-Dichlorobenzene	52,000 nc	0.539 U	0.48 U	0.435 U
1,4-Dichlorobenzene	8,100 ca	0.539 U	0.48 U	0.435 U
2-Butanone	NE	<b>39</b>	<b>4.37 J</b>	2.18 U
2-Hexanone	NE	<b>7.56</b>	2.4 U	2.18 U
4-Methyl-2-pentanone	NE	2.7 U	2.4 U	2.18 U
Acetone	6,200,000 nc	<b>213 J</b>	<b>35.8 J</b>	<b>16.3 J</b>
Benzene	1,500 ca	<b>1.39</b>	<b>0.687</b>	0.435 U
Bromochloromethane	NE	0.539 U	0.48 U	0.435 U
Bromodichloromethane	2,400 ca	0.539 U	0.48 U	0.435 U
Bromoform	310,000 ca	0.539 U	0.48 U	0.435 U
Bromomethane	13,000 nc	0.539 U	0.48 U	0.435 U
Carbon Tetrachloride	530 ca	0.539 U	0.48 U	0.435 U
Carbon Disulfide	720,000 sat	<b>1.6 J</b>	<b>15.2 J</b>	0.435 UJ
Chlorobenzene	540,000 nc	0.539 U	0.48 U	0.435 U
Chloroethane	6,500 ca	0.539 U	0.48 U	0.435 U
Chloroform	520 ca	0.539 U	0.48 U	0.435 U
Chloromethane	2,700 ca	0.539 U	0.48 U	0.435 U
Cyclohexane	140,000 sat	0.539 UR	0.48 UR	0.435 UR
Dibromochloromethane	2,700 ca	0.539 U	0.48 U	0.435 U
Dichlorodifluoromethane	310,000 nc	0.539 U	0.48 U	0.435 U
Ethylbenzene	230,000 sat	0.539 U	<b>0.247 J</b>	0.435 U
Isopropylbenzene	NE	0.539 U	0.48 U	0.435 U
Methyl acetate	96,000,000 nc	5.39 U	4.8 U	4.35 U
Methyl tert butyl ether (MTBE)	37,000 ca	0.539 U	0.48 U	0.435 U
Methylcyclohexane	8,800,000 nc	0.27 U	<b>0.315 J</b>	0.435 U
Methylene chloride	21,000 ca	4.07 U	2.49 U	2.96 U
Styrene	1,700,000 sat	0.539 U	0.48 U	0.435 U
Tetrachloroethene	19,000 ca	0.539 U	0.48 U	0.435 U
Toluene	520,000 sat	1.11 U	0.518 U	0.435 U
Trichloroethene	6,100 ca	0.539 U	0.48 U	0.435 U
Trichlorofluoromethane	2,000,000 sat	<b>1.19</b>	0.48 U	0.435 U
Vinyl chloride	830 ca	0.539 U	0.48 U	0.435 U
cis-1,2-Dichloroethene	150,000 nc	0.539 U	0.48 U	0.435 U
cis-1,3-Dichloropropene	NE	0.539 U	0.48 U	0.435 U
m,p-Xylene	210,000 sat	1.08 U	0.959 U	0.871 U
o-Xylene	210,000 sat	0.539 U	0.48 U	0.435 U
trans-1,2-Dichloroethene	210,000 nc	0.539 U	0.48 U	0.435 U
trans-1,3-Dichloropropene	NE	0.539 U	0.48 U	0.435 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>	Landfill Trench TR-5 Soil	Landfill Trench TR-5 Soil
		SS-033-01 9/12/01	SS-033-04 9/12/01
<b>TPH (mg/kg)</b>			
Diesel Range Hydrocarbons	NE	<b>31,200</b>	--
Motor Oil Range Hydrocarbons	NE	<b>10,600</b>	--
<b>VOCs (mg/kg)</b>			
1,1,1-Trichloroethane	1,400,000 sat	0.361 UR	0.773 U
1,1,2,2-Tetrachloroethane	900 ca	<b>38.6 J</b>	0.773 U
1,1,2-Trichloroethane	1,900 ca	0.361 UR	0.773 U
1,1,2-Trichlorotrifluoroethane	5,600,000 sat	0.361 UR	0.773 U
1,1-Dichloroethane	2,100,100 nc	0.361 UR	0.773 U
1,1-Dichloroethene	120 ca	0.361 UR	0.773 U
1,2,4-Trichlorobenzene	3,000,000 sat	0.361 UR	0.773 U
1,2-Dibromo-3-chloropropane	4,000 ca	0.361 UR	0.773 U
1,2-Dibromoethane	48 ca	<b>111 J</b>	0.773 U
1,2-Dichlorobenzene	370,000 sat	<b>0.627 J</b>	0.773 U
1,2-Dichloroethane	760 ca	0.361 UR	0.773 U
1,2-Dichloropropane	770 ca	0.361 UR	0.773 U
1,3-Dichlorobenzene	52,000 nc	<b>161 J</b>	0.773 U
1,4-Dichlorobenzene	8,100 ca	<b>1.93 J</b>	0.773 U
2-Butanone	NE	<b>213 J</b>	<b>20.7 J</b>
2-Hexanone	NE	<b>3140 J</b>	3.86 U
4-Methyl-2-pentanone	NE	1.81 UR	3.86 U
Acetone	6,200,000 nc	<b>1280 J</b>	<b>202 J</b>
Benzene	1,500 ca	0.361 UR	<b>1.5</b>
Bromochloromethane	NE	0.361 UR	0.773 U
Bromodichloromethane	2,400 ca	0.361 UR	0.773 U
Bromoform	310,000 ca	7.64 UJ	0.773 U
Bromomethane	13,000 nc	<b>10.2 J</b>	0.773 U
Carbon Tetrachloride	530 ca	0.361 UR	0.773 U
Carbon Disulfide	720,000 sat	<b>0.566 J</b>	<b>0.762 J</b>
Chlorobenzene	540,000 nc	<b>14.7 J</b>	0.773 U
Chloroethane	6,500 ca	0.361 UR	0.773 U
Chloroform	520 ca	0.361 UR	0.773 U
Chloromethane	2,700 ca	0.361 UR	0.773 U
Cyclohexane	140,000 sat	0.361 UR	0.773 UR
Dibromochloromethane	2,700 ca	0.787 UJ	0.773 U
Dichlorodifluoromethane	310,000 nc	0.361 UR	<b>1.01</b>
Ethylbenzene	230,000 sat	<b>85.3 J</b>	<b>0.603 J</b>
Isopropylbenzene	NE	<b>7.69 J</b>	0.773 U
Methyl acetate	96,000,000 nc	3.61 UR	<b>7.96</b>
Methyl tert butyl ether (MTBE)	37,000 ca	0.361 UR	0.773 U
Methylcyclohexane	8,800,000 nc	<b>600 J</b>	0.386 U
Methylene chloride	21,000 ca	<b>1.7 J</b>	2.18 U
Styrene	1,700,000 sat	<b>46.8 J</b>	0.773 U
Tetrachloroethene	19,000 ca	0.361 UR	0.773 U
Toluene	520,000 sat	<b>56 J</b>	2.53 U
Trichloroethene	6,100 ca	0.361 UR	0.773 U
Trichlorofluoromethane	2,000,000 sat	0.361 UR	<b>11.7</b>
Vinyl chloride	830 ca	0.361 UR	0.773 U
cis-1,2-Dichloroethene	150,000 nc	0.361 UR	0.773 U
cis-1,3-Dichloropropene	NE	0.361 UR	0.773 U
m,p-Xylene	210,000 sat	<b>139 J</b>	<b>2.77</b>
o-Xylene	210,000 sat	<b>60.8 J</b>	<b>0.899</b>
trans-1,2-Dichloroethene	210,000 nc	0.361 UR	0.773 U
trans-1,3-Dichloropropene	NE	0.361 UR	0.773 U

**Table B-1**  
**Analytical Results of VOCs and TPH in Soil, Concrete, and Sediment Samples**

Analyte	EPA Region 9 Industrial Soil PRGs <sup>a</sup>
<b>TPH (mg/kg)</b>	
Diesel Range Hydrocarbons	NE
Motor Oil Range Hydrocarbons	NE
<b>VOCs (mg/kg)</b>	
1,1,1-Trichloroethane	1,400,000 sat
1,1,2,2-Tetrachloroethane	900 ca
1,1,2-Trichloroethane	1,900 ca
1,1,2-Trichlorotrifluoroethane	5,600,000 sat
1,1-Dichloroethane	2,100,100 nc
1,1-Dichloroethene	120 ca
1,2,4-Trichlorobenzene	3,000,000 sat
1,2-Dibromo-3-chloropropane	4,000 ca
1,2-Dibromoethane	48 ca
1,2-Dichlorobenzene	370,000 sat
1,2-Dichloroethane	760 ca
1,2-Dichloropropane	770 ca
1,3-Dichlorobenzene	52,000 nc
1,4-Dichlorobenzene	8,100 ca
2-Butanone	NE
2-Hexanone	NE
4-Methyl-2-pentanone	NE
Acetone	6,200,000 nc
Benzene	1,500 ca
Bromochloromethane	NE
Bromodichloromethane	2,400 ca
Bromoform	310,000 ca
Bromomethane	13,000 nc
Carbon Tetrachloride	530 ca
Carbon Disulfide	720,000 sat
Chlorobenzene	540,000 nc
Chloroethane	6,500 ca
Chloroform	520 ca
Chloromethane	2,700 ca
Cyclohexane	140,000 sat
Dibromochloromethane	2,700 ca
Dichlorodifluoromethane	310,000 nc
Ethylbenzene	230,000 sat
Isopropylbenzene	NE
Methyl acetate	96,000,000 nc
Methyl tert butyl ether (MTBE)	37,000 ca
Methylcyclohexane	8,800,000 nc
Methylene chloride	21,000 ca
Styrene	1,700,000 sat
Tetrachloroethene	19,000 ca
Toluene	520,000 sat
Trichloroethene	6,100 ca
Trichlorofluoromethane	2,000,000 sat
Vinyl chloride	830 ca
cis-1,2-Dichloroethene	150,000 nc
cis-1,3-Dichloropropene	NE
m,p-Xylene	210,000 sat
o-Xylene	210,000 sat
trans-1,2-Dichloroethene	210,000 nc
trans-1,3-Dichloropropene	NE

**Notes:**

Detections are bolded and exceedances are outlined

-- - Not analyzed

a- EPA Region 9 PRGs (industrial soil), November 2000.

ca - carcinogen

D - value is derived from a dilution

EPA - U.S. Environmental Protection Agency

max - maximum soil contamination level

µg/Kg - microgram per kilogram

mg/Kg - milligram per kilogram

NA - not applicable

nc - noncarcinogen

NE - not established

J - value estimated

OAR - Oregon Administrative Rules

ODEQ - Oregon Department of Environmental Quality

PRG - preliminary remediation goal

R- result rejected

sat - saturated soil

U - not detected above respective reporting limit